

Claims

- [c1] What is claimed is:
- 1.A feeder assembly comprising;
a feed container;
a post having first and second ends, wherein the first end extends upwardly from the feed container; and
a shade pivotably attached about the second end of the post and movable between an open position and a closed position.
 - [c2] 2.The feeder assembly of claim 1 further comprising a linkage assembly attached to the shade and having an actuator slidably connected to the post.
 - [c3] 3.The feeder assembly of claim 2 further comprising a latch extending from the post and engageable with the actuator and constructed to lock the linkage assembly when the shade is in the open position.
 - [c4] 4.The feeder assembly of claim 2 wherein the linkage assembly further comprises a first link connected to the shade and pivotably connected to a second link, the second link pivotably connected to the first link and the actuator.

- [c5] 5.The feeder assembly of claim 1 wherein the feed container is a reservoir constructed to contain a fluid and accommodate feeding of a hummingbird.
- [c6] 6.The feeder assembly of claim 5 wherein the reservoir is decorated to attract hummingbirds.
- [c7] 7.The feeder assembly of claim 1 wherein the post is a center post and has a length such that the feed container does not interfere with movement of the shade between the open position and the closed position and the feed container is removably connected the post.
- [c8] 8.The feeder assembly of claim 1 wherein the post extends from a center of the feed container and is attached to a center of the shade.
- [c9] 9.The feeder assembly of claim 1 wherein the shade is extends from the post in the open position and collapses about the post in the closed position.
- [c10] 10.A bird feeding apparatus comprising:
a hummingbird feeder having a liquid reservoir, the liquid reservoir having therein a plurality of openings to only accommodate feeding by a hummingbird;
a collapsible hood positioned over the liquid reservoir and constructed to shade the liquid reservoir from direct

sunlight;

a post connecting the liquid reservoir to the collapsible hood; and

a slider connected to the collapsible hood and movably connected to the center post and operable to open and close the collapsible hood.

[c11] 11.The bird feeder apparatus of claim 10 wherein the collapsible hood has a profile that is larger than a profile of the liquid reservoir

12.The bird feeding apparatus of claim 10 further comprising a linkage mechanism connected to the collapsible hood and pivotally connected to the slider.

[c12] 13.The bird feeding apparatus of claim 10 wherein the collapsible hood is opaque and has an extended diameter that is at least twice as large as the diameter of the liquid reservoir.

[c13] 14.The bird feeding apparatus of claim 10 wherein the collapsible hood moves between an extended position and a retracted position by movement of the slider.

[c14] 15.The bird feeding apparatus of claim 10 wherein the center post further comprises a loop constructed to removably support the liquid reservoir.

[c15] 16.The bird feeding apparatus of claim 10 wherein the

liquid reservoir is colored to attract hummingbirds.

[c16] 17.The bird feeding apparatus of claim 10 wherein the liquid reservoir further comprises a lid attached to a base, the lid having a plurality of openings constructed to accept passage of a hummingbird beak therethrough.

[c17] 18.The bird feeding apparatus of claim 10 wherein the collapsible hood further comprises a plurality of radially extendable and retractable ribs.

[c18] 19.A bird feeder device comprising:
a feeder having a reservoir constructed to feed hummingbirds; and
an umbrella connected to the feeder and extendable between a closed position and an open position generally above the reservoir.

[c19] 20.The bird feeder device of claim 19 wherein the umbrella is opaque.

[c20] 21.The bird feeder device of claim 19 wherein the reservoir further comprises a lid and a base, the lid having therein a plurality of openings to only accommodate feeding by a hummingbird.

[c21] 22.The bird feeder device of claim 19 further comprising a center post connected to the reservoir and extending

therefrom and wherein the umbrella includes a shuttle slidably connected to the center post and pivotably connected to the umbrella.

- [c22] 23.The bird feeder device of claim 19 wherein the umbrella is decorated to attract hummingbirds.
- [c23] 24.The bird feeder device of claim 19 wherein the reservoir is decorated to attract hummingbirds.
- [c24] 25.The bird feeder device of claim 24 wherein the umbrella is red.
- [c25] 26.The bird feeder device of claim 19 wherein the umbrella further comprises a plurality of pivotably connected links constructed to open and close the umbrella.
- [c26] 27.A bird feeder comprising:
 - means for retaining a sugar solution;
 - means for providing shade to the means for retaining sugar solution; and
 - means for operatively extending and retracting the shade providing means.
- [c27] 28.The bird feeder of claim 27 wherein the means for retaining sugar solution further comprises a plurality of holes allowing only feeding of hummingbirds.
- [c28] 29.The bird feeder of claim 27 wherein the means for

providing shade is opaque.

[c29] 30.The bird feeder of claim 27 wherein at least one of the means for providing shade and the means for retaining sugar solution are colored to attract hummingbirds.

[c30] 31.The bird feeder of claim 27 wherein the means for retaining sugar solution is removeably connected to the means for providing shade.

[c31] 32.The bird feeder of claim 27 wherein the means for operatively extending and retracting the shade further comprises means for locking a position of the shade providing means.

[c32] 33.The bird feeder of claim 27 wherein the means for providing shade is extendable and retractable with the means for providing sugar solution connected thereto.